

## Reteaching 4-6

Rational Numbers

Evaluate  $\frac{a+7}{b}$  for  $a = 9$  and  $b = -2$ . Write in simplest form.

$$\frac{a+7}{b} = \frac{9+7}{-2}$$

Substitute.

$$= \frac{16}{-2}$$

Add.

$$= -8$$

Write in simplest form.

**Evaluate. Write in simplest form.**

1.  $\frac{a}{b}$ , for  $a = -12$  and  $b = 6$  \_\_\_\_\_

2.  $\frac{m-n}{-4}$ , for  $m = -5$  and  $n = 3$  \_\_\_\_\_

3.  $\frac{2x-5}{y}$ , for  $x = 6$  and  $y = 21$  \_\_\_\_\_

4.  $\frac{h}{h^2-2}$ , for  $h = 4$  \_\_\_\_\_

5.  $\frac{n}{2m-8}$ , for  $m = 2$  and  $n = 10$  \_\_\_\_\_

6.  $\frac{x}{3y+4}$ , for  $x = 4$  and  $y = 6$  \_\_\_\_\_

7.  $\frac{-r-s}{s+2}$ , for  $r = -4$  and  $s = 2$  \_\_\_\_\_

8.  $\frac{j^2-k}{k}$ , for  $j = 4$  and  $k = -12$  \_\_\_\_\_

9.  $\frac{10+f^2}{3f}$ , for  $f = 6$  \_\_\_\_\_

10.  $\frac{z+2}{z^2-4}$ , for  $z = 6$  \_\_\_\_\_

11.  $\frac{a^2+b^2}{2a+b}$ , for  $a = 4$  and  $b = -3$  \_\_\_\_\_

12.  $\frac{e}{f^2-2f+1}$ , for  $e = -6$  and  $f = 5$  \_\_\_\_\_

13.  $\frac{17-u^2}{v^2-4v}$ , for  $u = -3$  and  $v = 2$  \_\_\_\_\_

14.  $\frac{-50}{2x^2-3x+5}$ , for  $x = -1$  \_\_\_\_\_

15.  $\frac{y^3-4y+6}{y^3}$ , for  $y = -2$  \_\_\_\_\_